

# Clay and Ceramic and Refractory Minerals Mining: 2002

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## 2002 Economic Census

### *Mining*

#### Industry Series



U S C E N S U S B U R E A U

*Helping You Make Informed Decisions*

U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. CENSUS BUREAU



## CONTENTS

|   |     |
|---|-----|
| Introduction to the Economic Census .....   | v   |
| Mining .....  | ix  |
| Tables  |     |
| 1. Historical Statistics for the Industry: 2002 and 1997 .....  | 1   |
| 2. Industry Statistics for Selected States and Offshore Areas:<br>2002 .....  | 2   |
| 3. Detailed Statistics by Industry: 2002 .....  | 3   |
| 4. Industry Statistics by Employment Size: 2002 .....   | 4   |
| 5. Industry Statistics by Type of Operation: 2002 .....   | 5   |
| 6a. Products or Services Statistics: 2002 and 1997 .....  | 6   |
| 6b. Product Class Shipments or Receipts for Services for Selected<br>States and Offshore Areas: 2002 and 1997 .....                 | 7   |
| 7. Selected Supplies, Minerals Received for Preparation,<br>Purchased Machinery, and Fuels Consumed by Type: 2002<br>and 1997 ..... | 8   |
| Appendixes  |     |
| A. Explanation of Terms .....   | A-1 |
| B. NAICS Codes, Titles, and Descriptions .....  | B-1 |
| C. Methodology .....  | C-1 |
| D. Geographic Notes .....   | --  |
| E. Metropolitan and Micropolitan Statistical Areas .....  | --  |
| F. Comparability of Product Classes and Product Codes: 2002 to<br>1997 .....  | F-1 |
| -- Not applicable for this report.  |     |

**Table 1. Historical Statistics for the Industry: 2002 and 1997**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

| Industry and year   | Com-<br>panies <sup>1</sup> | All<br>estab-<br>lish-<br>ments <sup>2</sup> | All employees                              |                                | Production, development, and<br>exploration workers |                            |                              | Value added<br>(\$1,000) | Total cost of<br>supplies<br>(\$1,000) | Total value of<br>shipments and<br>receipts for<br>services<br>(\$1,000) | Capital<br>expendi-<br>tures<br>(\$1,000) |
|---|-----------------------------|--|--|--------------------------------|---|----------------------------|------------------------------|--------------------------|--|--|---|
|   |                             |  | For pay<br>period<br>including<br>March 12 | Annual<br>payroll<br>(\$1,000) | For pay<br>period<br>including<br>March 12          | Annual<br>hours<br>(1,000) | Annual<br>wages<br>(\$1,000) |                          |  |  |   |
| 212325, Clay and ceramic and refractory<br>minerals mining ..... 2002.. | 105                         | 126  | 3 650                                      | 130 684                        | 2 820   | 6 004                      | 92 597                       | 456 009                  | 297 609                                | 715 911  | 37 707                                    |
| 1997..  | 100                         | 132  | 3 782                                      | 118 572                        | 2 956   | 6 182                      | 87 344                       | 434 952                  | 256 759                                | 619 424  | 72 287                                    |

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>2</sup>Includes establishments with payroll at any time during the year.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 2. Industry Statistics for Selected States and Offshore Areas: 2002**

[Offshore areas refer to those areas not associated with a state. States that are disclosures or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

| Industry and geographic area                            | E <sup>1</sup> | All establishments <sup>2</sup> |                           | All employees                     |                          | Production, development, and exploration workers |                      |                        | Value added (\$1,000) | Total cost of supplies (\$1,000) | Total value of shipments and receipts for services (\$1,000) | Capital expenditures (\$1,000) |
|---|----------------|---------------------------------|---------------------------|-----------------------------------|--------------------------|--|----------------------|------------------------|-----------------------|----------------------------------|--|--------------------------------|
|   |                | Total                           | With 20 employees or more | For pay period including March 12 | Annual payroll (\$1,000) | For pay period including March 12                | Annual hours (1,000) | Annual wages (\$1,000) |                       |                                  |  |                                |
| 212325, Clay and ceramic and refractory minerals mining |                |                                 |                           |                                   |                          |  |                      |                        |                       |                                  |  |                                |
| United States .....                                     | 1              | 126                             | 53                        | 3 650                             | 130 684                  | 2 820  | 6 004                | 92 597                 | 456 009               | 297 609                          | 715 911  | 37 707                         |
| Alabama .....   | —              | 7                               | 3                         | 179                               | 4 881                    | 154  | 289                  | 3 645                  | 20 050                | 10 286                           | 27 596   | 2 740                          |
| Georgia .....   | 2              | 9                               | 7                         | 537                               | 18 767                   | 418  | 919                  | 14 127                 | 60 821                | 40 948                           | 96 847   | 4 922                          |
| Missouri .....  | —              | 9                               | 3                         | 324                               | 11 146                   | 260  | 476                  | 7 935                  | 44 260                | 20 125                           | 62 876   | 1 509                          |
| Texas .....   | —              | 11                              | 4                         | 341                               | 13 526                   | 257  | 517                  | 8 938                  | 50 617                | 27 951                           | 77 138   | 1 430                          |
| Wyoming .....   | 2              | 16                              | 9                         | 514                               | 17 373                   | 421  | 845                  | 13 795                 | 71 721                | 81 503                           | 142 056  | 11 168                         |

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 3. Detailed Statistics by Industry: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

| Item   | Value   |
|--|---------|
| <b>212325, Clay and ceramic and refractory minerals mining</b>   |         |
| Companies <sup>1</sup> ..... number..  | 105     |
| All establishments <sup>2</sup> ..... number..   | 126     |
| Establishments with 0 to 19 employees..... number..  | 73      |
| Establishments with 20 to 99 employees..... number..   | 46      |
| Establishments with 100 employees or more..... number..  | 7       |
| All employees for pay period including March 12..... number..  | 3 650   |
| Total compensation..... \$1,000..  | 163 390 |
| Annual payroll..... \$1,000..  | 130 684 |
| Annual fringe benefits not included in payroll..... \$1,000..  | 32 706  |
| Production, development, and exploration workers for pay period including March 12..... number..       | 2 820   |
| Production, development, and exploration worker annual hours..... 1,000..                              | 6 004   |
| Production, development, and exploration worker annual wages..... \$1,000..                            | 92 597  |
| Total cost of supplies..... \$1,000..  | 297 609 |
| Supplies used, minerals received, and purchased machinery installed..... \$1,000..                     | 200 790 |
| Resales..... \$1,000..   | 20 594  |
| Purchased fuels consumed..... \$1,000..  | 42 453  |
| Purchased electricity..... \$1,000..   | 21 613  |
| Contract work..... \$1,000..   | 12 159  |
| Quantity of electricity purchased..... 1,000 kWh..   | 433 470 |
| Quantity of electricity generated less sold..... 1,000 kWh..   | D       |
| Total other expenses..... \$1,000..  | 30 952  |
| Response coverage ratio <sup>3</sup> ..... percent..   | 82      |
| Communications services..... \$1,000..   | 1 395   |
| Legal services..... \$1,000..  | 1 213   |
| Accounting, auditing, and bookkeeping services..... \$1,000..  | 446     |
| Advertising and promotional services..... \$1,000..  | 1 900   |
| All other expenses (not included above)..... \$1,000..   | 25 998  |
| Total value of shipments and receipts for services..... \$1,000..                                      | 715 911 |
| Primary products value of shipments..... \$1,000..   | 681 319 |
| Secondary products value of shipments and receipts for services..... \$1,000..                         | 11 941  |
| Value of resales..... \$1,000..  | 22 651  |
| Value of primary products shipments or services produced in all industries..... \$1,000..              | 701 363 |
| Value of primary products shipments or services produced in this industry..... \$1,000..               | 681 319 |
| Value of primary products shipments or services produced in other industries..... \$1,000..            | 20 044  |
| Value added..... \$1,000..   | 456 009 |
| Total inventories, end of 2001..... \$1,000..  | 125 382 |
| Mineral products, crude petroleum, and natural gas liquids inventories..... \$1,000..                  | 75 629  |
| Supplies, parts, fuels, etc., inventories..... \$1,000..   | 49 753  |
| Total inventories, end of 2002..... \$1,000..  | 126 258 |
| Mineral products, crude petroleum, and natural gas liquids inventories..... \$1,000..                  | 76 763  |
| Supplies, parts, fuels, etc., inventories..... \$1,000..   | 49 495  |
| Gross book value of depreciable/depletable assets at beginning of year..... \$1,000..                  | 664 491 |
| Capital expenditures (except land and mineral rights)..... \$1,000..                                   | 37 707  |
| Capital expenditures for buildings, structures, machinery, and equipment (new and used)..... \$1,000.. | 37 584  |
| Capital expenditures for mineral exploration and development..... \$1,000..                            | 123     |
| Capital expenditures for mineral land and rights..... \$1,000..  | 3 297   |
| Deductions from depreciable/depletable assets during year..... \$1,000..                               | 15 384  |
| Gross book value of depreciable/depletable assets at end of year..... \$1,000..                        | 690 111 |
| Total depreciation/depletion charges during year..... \$1,000..  | 45 129  |
| Total rental payments during year..... \$1,000..   | 11 829  |
| Buildings and other structures..... \$1,000..  | 1 740   |
| Machinery and equipment..... \$1,000..   | 10 089  |
| Lease rents..... \$1,000..   | 896     |
| Expensed mineral exploration, development, land, and rights..... \$1,000..                             | 4 606   |

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>A response coverage ratio is derived for this item by calculating the ratio of the employment for those establishments that reported this item to the total employment for all establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 4. Industry Statistics by Employment Size: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

| Employment size class  | E <sup>1</sup> | All establishments <sup>2</sup> | All employees                     |                          | Production, development, and exploration workers |                      |                        | Value added (\$1,000) | Total cost of supplies (\$1,000) | Total value of shipments and receipts for services (\$1,000) | Capital expenditures (\$1,000) |
|--|----------------|---------------------------------|-----------------------------------|--------------------------|--|----------------------|------------------------|-----------------------|----------------------------------|--|--------------------------------|
|  |                |                                 | For pay period including March 12 | Annual payroll (\$1,000) | For pay period including March 12                | Annual hours (1,000) | Annual wages (\$1,000) |                       |                                  |  |                                |
| <b>212325, Clay and ceramic and refractory minerals mining</b> |                |                                 |                                   |                          |  |                      |                        |                       |                                  |  |                                |
| All establishments .....                                       | 1              | 126                             | 3 650                             | 130 684                  | 2 820  | 6 004                | 92 597                 | 456 009               | 297 609                          | 715 911  | 37 707                         |
| Establishments with —  |                |                                 |                                   |                          |  |                      |                        |                       |                                  |  |                                |
| 0 to 4 employees .....   | 9              | 42                              | 92                                | 3 053                    | 69   | 138                  | 2 233                  | 8 148                 | 4 120                            | 11 427   | 841                            |
| 5 to 9 employees .....   | 3              | 18                              | 115                               | 4 695                    | 93   | 200                  | 3 511                  | 13 499                | 7 815                            | 20 120   | 1 194                          |
| 10 to 19 employees .....                                       | —              | 13                              | 178                               | 6 367                    | 154  | 318                  | 5 076                  | 21 085                | 20 788                           | 39 363   | 2 510                          |
| 20 to 49 employees .....                                       | 1              | 27                              | 941                               | 30 195                   | 731  | 1 449                | 22 065                 | 139 746               | 75 073                           | 198 910  | 15 909                         |
| 50 to 99 employees .....                                       | —              | 19                              | 1 346                             | 46 528                   | 1 052  | 2 319                | 34 566                 | 148 158               | 120 257                          | 258 855  | 9 560                          |
| 100 to 249 employees .....                                     | 1              | 7                               | 978                               | 39 846                   | 721  | 1 580                | 25 146                 | 125 373               | 69 556                           | 187 236  | 7 693                          |
| 250 to 499 employees .....                                     | —              | —                               | —                                 | —                        | —  | —                    | —                      | —                     | —                                | —  | —                              |
| 500 to 999 employees .....                                     | —              | —                               | —                                 | —                        | —  | —                    | —                      | —                     | —                                | —  | —                              |
| 1,000 to 2,499 employees .....                                 | —              | —                               | —                                 | —                        | —  | —                    | —                      | —                     | —                                | —  | —                              |
| 2,500 employees or more .....                                  | —              | —                               | —                                 | —                        | —  | —                    | —                      | —                     | —                                | —  | —                              |
| Administrative records <sup>3</sup> .....                      | 9              | 42                              | 116                               | 3 949                    | 90   | 181                  | 2 870                  | 11 770                | 5 971                            | 16 431   | 1 310                          |

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 5. Industry Statistics by Type of Operation: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

| Industry and type of operation                                    | All establishments <sup>1</sup> |                           | All employees                     |                          | Production, development, and exploration workers |                      |                        | Value added (\$1,000) | Total value of shipments and receipts for services (\$1,000) |
|---|---------------------------------|---------------------------|-----------------------------------|--------------------------|--|----------------------|------------------------|-----------------------|--|
|   | Total                           | With 20 employees or more | For pay period including March 12 | Annual payroll (\$1,000) | For pay period including March 12                | Annual hours (1,000) | Annual wages (\$1,000) |                       |  |
| 212325, Clay and ceramic and refractory minerals mining           |                                 |                           |                                   |                          |  |                      |                        |                       |  |
| All establishments .....  | 126                             | 53                        | 3 650                             | 130 684                  | 2 820  | 6 004                | 92 597                 | 456 009               | 715 911  |
| Producing establishments .....                                    | 126                             | 53                        | 3 650                             | 130 684                  | 2 820  | 6 004                | 92 597                 | 456 009               | 715 911  |
| Mines or wells only .....   | 68                              | 10                        | 754                               | 24 229                   | 571  | 1 177                | 17 498                 | 65 889                | 102 248  |
| Underground mines .....   | —                               | —                         | —                                 | —                        | —  | —                    | —                      | —                     | —  |
| Open-pit mines .....  | 68                              | 10                        | 754                               | 24 229                   | 571  | 1 177                | 17 498                 | 65 889                | 102 248  |
| Combination mines, well operations, or other types of mines ..... | —                               | —                         | —                                 | —                        | —  | —                    | —                      | —                     | —  |
| Mines with preparation plants .....                               | 37                              | 25                        | g                                 | D                        | D  | D                    | D                      | D                     | D  |
| Underground mines .....   | 1                               | 1                         | b                                 | D                        | D  | D                    | D                      | D                     | D  |
| Open-pit mines .....  | 33                              | 22                        | 1 484                             | 51 804                   | 1 154  | 2 379                | 35 133                 | 172 573               | 262 445  |
| Combination mines or other types of mines .....                   | 3                               | 2                         | 70                                | 2 475                    | 58   | 114                  | 1 952                  | 7 986                 | 11 736   |
| Separately operated preparation plants .....                      | 1                               | 1                         | b                                 | D                        | D  | D                    | D                      | D                     | D  |
| Undistributed <sup>2</sup> .....                                  | 20                              | 17                        | 1 254                             | 48 349                   | 955  | 2 160                | 34 436                 | 176 805               | 298 821  |
| Nonproducing establishments .....                                 | —                               | —                         | —                                 | —                        | —  | —                    | —                      | —                     | —  |

<sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Includes data for establishments that were not possible to classify based on information available.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 6a. Products or Services Statistics: 2002 and 1997**

[Includes quantity and value of products or receipts for services of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

| Product or service code | Product or service  | Quantity of production for all purposes | Product shipments or receipts for services |                    |
|-------------------------|---|---|--|--------------------|
|                         |   |   | Quantity                                   | Value (\$1,000)    |
| 212325                  | Clay and ceramic and refractory minerals mining .....   | 2002.. X<br>1997.. X                    | X<br>X                                     | 701 363<br>612 199 |
| 2123252                 | Bentonite .....   | 2002.. X<br>1997.. X                    | X<br>X                                     | 240 312<br>N       |
| 21232521                | Bentonite .....   | 2002.. X<br>1997.. X                    | X<br>X                                     | 240 312<br>N       |
| 2123252100              | Bentonite ..... 1,000 metric tons ..  | 2002.. X<br>1997.. X                    | S<br>N                                     | 240 312<br>N       |
| 2123254                 | Fire clay .....   | 2002.. X<br>1997.. X                    | X<br>X                                     | 117 276<br>N       |
| 21232541                | Fire clay .....   | 2002.. X<br>1997.. X                    | X<br>X                                     | 117 276<br>N       |
| 2123254100              | Fire clay ..... 1,000 metric tons ..  | 2002.. X<br>1997.. X                    | S<br>N                                     | 117 276<br>N       |
| 2123256                 | Fuller's earth .....  | 2002.. X<br>1997.. X                    | X<br>X                                     | 91 829<br>N        |
| 21232561                | Fuller's earth .....  | 2002.. X<br>1997.. X                    | X<br>X                                     | 91 829<br>N        |
| 2123256100              | Fuller's earth ..... 1,000 metric tons ..   | 2002.. X<br>1997.. X                    | S<br>N                                     | 91 829<br>N        |
| 212325A                 | Feldspar (crude, crushed, or ground) .....  | 2002.. X<br>1997.. X                    | X<br>X                                     | 28 573<br>N        |
| 212325A1                | Feldspar (crude, crushed, or ground) .....  | 2002.. X<br>1997.. X                    | X<br>X                                     | 28 573<br>N        |
| 212325A100              | Feldspar (crude, crushed, or ground) ..... 1,000 metric tons ..   | 2002.. X<br>1997.. X                    | S<br>N                                     | 28 573<br>N        |
| 212325B                 | Common (miscellaneous) clay and shale .....   | 2002.. X<br>1997.. X                    | X<br>X                                     | 107 713<br>N       |
| 212325B1                | Common (miscellaneous) clay and shale .....   | 2002.. X<br>1997.. X                    | X<br>X                                     | 107 713<br>N       |
| 212325B111              | Crude common (miscellaneous) clay and shale ..... 1,000 metric tons ..                                    | 2002.. X<br>1997.. X                    | S<br>N                                     | 23 775<br>N        |
| 212325B122              | Prepared common (miscellaneous) clay and shale ..... 1,000 metric tons ..                                 | 2002.. X<br>1997.. X                    | S<br>N                                     | 83 938<br>N        |
| 2123259                 | Other clay, ceramic, and refractory minerals (including magnesite and brucite) .....                      | 2002.. X<br>1997.. X                    | X<br>X                                     | 93 052<br>61 370   |
| 21232591                | Other clay, ceramic, and refractory minerals (including magnesite and brucite) .....                      | 2002.. X<br>1997.. X                    | X<br>X                                     | 93 052<br>61 370   |
| 2123259100              | Other clay, ceramic, and refractory minerals (including magnesite and brucite) ..... 1,000 metric tons .. | 2002.. X<br>1997.. X                    | <sup>q</sup> 1 398.1<br>1 085.5            | 93 052<br>61 370   |
| 212325W                 | Clay and ceramic and refractory minerals mining, nsk .....  | 2002.. X<br>1997.. X                    | X<br>X                                     | 22 608<br>12 602   |
| 212325WY                | Clay and ceramic and refractory minerals mining, nsk .....  | 2002.. X<br>1997.. X                    | X<br>X                                     | 22 608<br>12 602   |
| 212325WYWT              | Clay and ceramic and refractory minerals mining, nsk .....  | 2002.. X<br>1997.. X                    | X<br>X                                     | 22 608<br>12 602   |

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.



Table 6b. **Product Class Shipments or Receipts for Services for Selected States and Offshore Areas: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

| Product or service class code | Product or service class and geographic area                                   | Value of product shipments or receipts for services (\$1,000) |
|-------------------------------|--|---|
| 2123252                       | Bentonite  |   |
|                               | United States..... 2002..  | 240 312   |
|                               | ..... 1997..   | N   |
|                               | Wyoming ..... 2002..   | 139 469   |
|                               | ..... 1997..   | N   |
| 2123254                       | Fire clay  |   |
|                               | United States..... 2002..  | 117 276   |
|                               | ..... 1997..   | N   |
| 2123256                       | Fuller's earth   |   |
|                               | United States..... 2002..  | 91 829  |
|                               | ..... 1997..   | N   |
| 2123259                       | Other clay, ceramic, and refractory minerals (including magnesite and brucite) |   |
|                               | United States..... 2002..  | 93 052  |
|                               | ..... 1997..   | 61 370  |
|                               | Georgia ..... 2002..   | 40 694  |
|                               | ..... 1997..   | N   |
| 212325A                       | Feldspar (crude, crushed, or ground)   |   |
|                               | United States..... 2002..  | 28 573  |
|                               | ..... 1997..   | N   |
| 212325B                       | Common (miscellaneous) clay and shale  |   |
|                               | United States..... 2002..  | 107 713   |
|                               | ..... 1997..   | N   |
|                               | Alabama ..... 2002..   | 22 444  |
|                               | ..... 1997..   | N   |
|                               | Ohio ..... 2002..  | 9 305   |
|                               | ..... 1997..   | N   |

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 7. Selected Supplies, Minerals Received for Preparation, Purchased Machinery, and Fuels Consumed by Type: 2002 and 1997**

[Includes quantity and cost of supplies and fuels consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

| Supply or fuel code | Supply or fuel consumed  | Quantity | Delivered cost (\$1,000) |
|---------------------|--|----------|--------------------------|
| 212325              | Clay and ceramic and refractory minerals mining  |          |                          |
|                     | Supplies consumed by type  |          |                          |
| 21232013            | Crude clay, ceramic, and refractory minerals, received for preparation . . . . . 2002..  | X        | 18 607                   |
|                     | 1997..   | X        | D                        |
| 21232015            | Crude clay, ceramic, and refractory minerals, mined and prepared at same establishment . . . . . 1,000 metric tons . . . . . 2002..      | 4 344.4  | X                        |
|                     | 1997..   | 12 353.7 | X                        |
| 33300007            | Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation . . . . . 2002.. | X        | 7 654                    |
|                     | 1997..   | X        | 33 281                   |
| 33300009            | Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment . . . . . 2002..              | X        | D                        |
|                     | 1997..   | X        | 22 820                   |
| 32500073            | Industrial chemicals (chemical reagents, calcium chloride, etc.) excluding explosive materials and blasting accessories . . . . . 2002.. | X        | 14 605                   |
|                     | 1997..   | X        | 16 136                   |
| 33120059            | Steel shapes and forms (excluding castings and forgings) . . . . . 2002..  | X        | D                        |
|                     | 1997..   | X        | D                        |
| 00970098            | All other supplies . . . . . 2002..  | X        | 30 556                   |
|                     | 1997..   | X        | 44 106                   |
| 00973000            | Undistributed minerals, purchased machinery, parts, attachments, and supplies used . . . . . 2002..                                      | X        | 107 864                  |
|                     | 1997..   | X        | 18 403                   |
|                     | Fuels consumed by type   |          |                          |
| 21211003            | Coal (bituminous, subbituminous, lignite, and anthracite) consumed as a fuel . . . . . 1,000 s tons . . . . . 2002..                     | 182.8    | 7 079                    |
|                     | 1997..   | 241.3    | 6 897                    |
| 32411017            | Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel . . . . . 1,000 bbl . . . . . 2002..                      | S        | 5 439                    |
|                     | 1997..   | 207.4    | 4 696                    |
| 32411019            | Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel . . . . . 1,000 bbl . . . . . 2002..                         | D        | D                        |
|                     | 1997..   | 68.6     | 1 333                    |
| 21111015            | Gas (natural, manufactured, and mixed) used as a fuel . . . . . bil cu ft . . . . . 2002..   | S        | 15 924                   |
|                     | 1997..   | 7.0      | 20 077                   |
| 32411015            | Gasoline used as a fuel . . . . . mil gal . . . . . 2002..   | S        | 1 785                    |
|                     | 1997..   | .4       | 427                      |
| 00960018            | Other fuels (liquefied petroleum gas, coke, wood, etc.) . . . . . 2002..   | X        | D                        |
|                     | 1997..   | X        | 1 064                    |
| 00974000            | Undistributed fuels . . . . . 2002..   | X        | 10 211                   |
|                     | 1997..   | X        | 4 194                    |

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.